

# Certificate of Analysis

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| Product name       | semax                                                            |
| Molecular Formula  | C <sub>37</sub> H <sub>51</sub> N <sub>9</sub> O <sub>10</sub> S |
| Molecular Weight   | 813.92                                                           |
| Batch No.          | 20250807-2                                                       |
| Quantity           | 524.0g                                                           |
| Specification      | 5mg                                                              |
| Manufacturing Date | Aug.07, 2025                                                     |
| Expiry Date        | Aug.06, 2027                                                     |
| Store at           | Keep in dark and cool dry place                                  |

| Items                | Standards                  | Results  |
|----------------------|----------------------------|----------|
| Appearance           | White to off-white powder  | Complies |
| Identity by MS       | Theoretical MW: 813.92     | Complies |
| Purity (HPLC)        | ≥98.0%                     | 99.08%   |
| Peptide Content (N%) | ≥80.0%                     | 92.45%   |
| Water (K.F.)         | ≤ 7.0%                     | 2.43%    |
| Acetic acid content  | ≤ 15.0%                    | 3.73%    |
| Assay                | 95%-105%                   | 100.02%  |
| Solubility           | ≥2mg/ml (H <sub>2</sub> O) | Complies |
| Conclusion           | Conforms to standard       | Complies |

Notes: for research use only

**Q. C. Manager:**xiqing

**2025-09-02**

**Inspector:**lukangmei

**2025-09-02**